## DNA, DNA Replication and Mitosis Practice Test

## **Multiple Choice** *Identify the choice that best completes the statement or answers the question.* 1. After cell division, each daughter cell has a. a lower surface area/volume ratio than the parent cell. b. a higher surface area/volume ratio than the parent cell. c. more DNA in its nucleus than the parent cell. d. less DNA in its nucleus than the parent cell. The process by which a cell divides into two daughter cells is called a. cell division. b. metaphase. c. interphase. d. mitosis. 3. An advantage of sexual reproduction over asexual reproduction is that sexual reproduction a. takes less time b. requires more time c. provides genetic diversity d. produces identical offspring Which of the following lists structures from smallest to largest? a. chromosome, supercoil, coil, nucleosome, double helix b. chromosome, coil, double helix, nucleosome, supercoil c. double helix, nucleosome, coil, supercoil, chromosome d. nucleosome, coil, double helix, chromosome, supercoil 5. When during the cell cycle are chromosomes visible? a. only during interphase b. only when they are being replicated c. only during cell division d. only during the G<sub>1</sub> phase 6. During which phase in the cell cycle does mitosis happen? a. G<sub>1</sub> phase b. G<sub>2</sub> phase c. M phase d. S phase 7. Which pair includes a phase of the cell cycle and a cellular process that occurs during that phase? a. G<sub>1</sub> phase, DNA replication b. G<sub>2</sub> phase, preparation for mitosis c. S phase, cell division d. M phase, cell growth 8. When during the cell cycle is a cell's DNA replicated? a. G<sub>1</sub> phase b. G<sub>2</sub> phase c. S phase d. M phase

	9.	Which event occurs	during	interphase	?
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- a. The cytoplasm divides.
- b. Centrioles duplicate.
- c. Spindle fibers begin to form.
- d. Centromeres divide.
- 10. Which of the following is a correct statement about the events of the cell cycle?
  - a. Little happens during the  $G_1$  and  $G_2$  phases.
  - b. DNA replicates during cytokinesis.
  - c. The M phase is usually the longest phase.
  - d. Interphase consists of the  $G_1$ , S, and  $G_2$  phases.

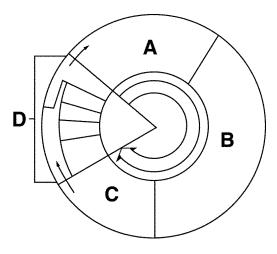


Figure 10-3

- \_\_ 11. Cell division is represented in Figure 10–3 by the letter
  - a. A.
  - b. B.
  - c. C.
  - d. D.

**Animal Cell** 

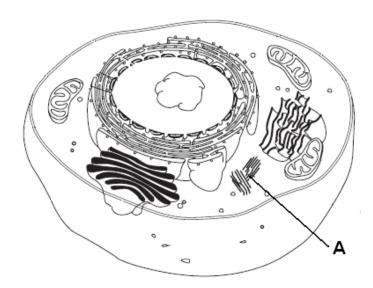


Figure 10-4

- 12. In Figure 10–4, what role does structure A play in mitosis?
  - a. replicate DNA
  - b. increase cell volume
  - c. connect to spindle fibers
  - d. dissolve nuclear envelope

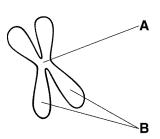


Figure 10-5

- \_\_\_\_ 13. The structure labeled A in Figure 10–5 is called the
  - a. centromere.
  - b. centriole.
  - c. sister chromatid.
  - d. spindle.
  - 14. The structures labeled B in Figure 10–5 are called
    - a. centromeres.
    - b. centrioles.
    - c. sister chromatids.
    - d. spindles.
  - 15. During which phase(s) of mitosis are structures like the one shown in Figure 10–5 visible?
    - a. anaphase only
    - b. prophase, metaphase, and anaphase
    - c. metaphase only

	d. anaphase and interphase
 16.	Which of the following is a phase of mitosis?  a. cytokinesis  b. interphase c. prophase d. S phase
 17.	During which phase of mitosis do the chromosomes line up along the middle of the dividing cell?  a. prophase b. telophase c. metaphase d. anaphase
 18.	Which of the following represents the phases of mitosis in their proper sequence?  a. prophase, metaphase, anaphase, telophase  b. interphase, prophase, metaphase, anaphase, telophase  c. interphase, prophase, metaphase, telophase  d. prophase, anaphase, metaphase, telophase
 19.	What is the role of the spindle fibers during mitosis?  a. They help separate the chromosomes.  b. They break down the nuclear membrane.  c. They duplicate the DNA.  d. They make the chromosomes visible.
 20.	The two main stages of cell division are called a. mitosis and interphase. b. synthesis and cytokinesis. c. the M phase and the S phase. d. mitosis and cytokinesis.
 21.	During normal mitotic cell division, a parent cell that has four chromosomes will produce two daughter cells each containing a. two chromosomes. b. four chromosomes. c. eight chromosomes. d. sixteen chromosomes.
 22.	One difference between cell division in plant cells and in animal cells is that plant cells have a. centrioles. b. centromeres. c. a cell plate. d. chromatin.
 23.	Cancer is a disorder in which some cells have lost the ability to control their a. size. b. spindle fibers. c. growth rate. d. surface area.
 24.	Cancer cells form masses of cells called a. tumors.

		<ul><li>b. cyclins.</li><li>c. growth factors.</li><li>d. p53.</li></ul>
	25.	<ul> <li>A cell with a defective p53 gene is likely to</li> <li>a. stop responding to growth regulators.</li> <li>b. stop dividing to produce daughter cells.</li> <li>c. generate hormones that combat tumors.</li> <li>d. produce cells without a defective p53 gene.</li> </ul>
	26.	Cancer affects a. humans only. b. unicellular organisms only. c. multicellular organisms only. d. multicellular and unicellular organisms.
	27.	Why are stem cells important?  a. They have specialized DNA.  b. They are incapable of becoming cancer cells.  c. They have the potential to undergo cell division.  d. They have the potential to develop into other cell types.
	28.	Griffith called the process he observed transformation because a. the mouse had been transformed. b. the harmful bacteria had been transformed. c. the harmless bacteria had been transformed. d. the experiment had been transformed.
	29.	<ul> <li>What property of DNA does bacterial transformation illustrate?</li> <li>a. Bacterial DNA cannot move into other bacteria and function.</li> <li>b. Bacterial DNA can move into another bacteria and function.</li> <li>c. Bacterial DNA uses four nucleotides bases that work in pairs.</li> <li>d. Bacterial DNA is found in a circular chromosome.</li> </ul>
	30.	<ul> <li>Griffith's experiments advanced the study of genetics by proving that</li> <li>a. there is a chemical that contains genetic information that can be passed from one organism to another.</li> <li>b. bacteria can make people sick by infecting them with a chemical that contains genetic information.</li> <li>c. the bacteria that can make mice sick are the same bacteria that can be grown in culture dishes in a laboratory.</li> <li>d. genetic information can be passed from parents to their offspring during sexual reproduction.</li> </ul>
	31.	What is inside a bacteriophage?  a. protein  b. nucleic acid  c. lipid  d. carbohydrate
	32.	What do bacteriophages infect?  a. mice.  b. humans.

- c. viruses.
- d. bacteria.
- 33. What stores information in a cell?
  - a. proteins
  - b. carbohydrates
  - c. lipids
  - d. DNA
- \_ 34. What happens when a piece of DNA is missing?
  - a. Genetic information is stored.
  - b. Genetic information is copied.
  - c. Genetic information is lost.
  - d. Genetic information is transmitted.

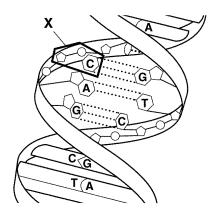


Figure 12-2

- 35. Figure 12–2 shows the structure of
  - a. a DNA molecule.
  - b. an amino acid.
  - c. a RNA molecule.
  - d. a protein.
  - 36. Which of the following is a nucleotide found in DNA?
    - a. adenine + phosphate group + thymine
    - b. cytosine + phosphate group + guanine
    - c. deoxyribose + phosphate group + polymerase
    - d. deoxyribose + phosphate group + cytosine
  - 37. Because of base pairing in DNA, the percentage of
    - a. adenine molecules in DNA is about equal to the percentage of guanine molecules.
    - b. thymine molecules in DNA is about equal to the percentage of adenine molecules
    - c. adenine molecules in DNA is much greater than the percentage of thymine molecules.
    - d. cytosine molecules in DNA is much greater than the percentage of guanine molecules.

Nitrogenous Bases (%)					
A G T C					
Human		19.9	29.4		

Chicken	28.8		21.5
Bacterium			
(S. lutea)	13.4		

Figure 12–3

- \_ 38. The table in Figure 12–3 shows the results of measuring the percentages of the four bases in the DNA of several different organisms. Some of the values are missing from the table. Based on Chargaff's rule, the percentages of guanine bases in chicken DNA should be around
  - a. 28.8%
  - b. 19.9%
  - c. 21.5%
  - d. 13.4%
- \_\_\_\_ 39. Based on Chargaff's rule, the percentage of cytosine in the DNA of the bacterium, *S. Lutea* in Figure 12–3, should be around
  - a. 26.6%.
  - b. 73.2%.
  - c. 36.6%.
  - d. 29.4%.
- 40. Rosalind Franklin contributed to the understanding of DNA by
  - a. producing images of DNA molecules using X-rays.
  - b. figuring out that DNA strands form a double helix.
  - c. conducting experiments that showed which nucleotides are complementary.
  - d. finding that DNA was nucleic acid made up of a long chain of individual nucleotides.
  - 41. Which scientist(s) figured out that the shape of a DNA molecule is a double helix?
    - a. Hershey and Chase
    - b. Griffith
    - c. Watson and Crick
    - d. Franklin
- \_\_\_ 42. What is the chronological order of the important discoveries in the structure of DNA?
  - a. Franklin makes an X-ray diffraction photo of DNA → Chargaff's ratios of nucleotides → Watson and Crick identify the double helix
  - b. Franklin makes an X-ray diffraction photo of DNA → Watson and Crick identify the double helix → Chargaff's ratios of nucleotides
  - c. Chargaff's ratios of nucleotides → Watson and Crick identify the double helix → Franklin makes an X-ray diffraction photo of DNA
  - d. Chargaff's ratios of nucleotides  $\rightarrow$  Franklin makes an X-ray diffraction photo of DNA  $\rightarrow$  Watson and Crick identify the double helix

BASE	Α	С	G	T
% of Total DNA	22	_	28	

Figure 12-4

43. What would happen to the percentage of G in Figure 12–4 if the percentage of A rose to 25%?

- a. G would drop to 19%
- b. G would drop to 25%
- c. G would rise to 29%
- d. G would rise to 32%
- 44. Watson and Crick discovered the two strands in DNA
  - a. run in perpendicular directions.
  - b. run in the same direction.
  - c. run in opposite directions.
  - d. run in random directions.
- \_\_\_\_ 45. DNA replication results in two DNA molecules,
  - a. each with two new strands.
  - b. one with two new strands and the other with two original strands.
  - c. each with one new strand and one original strand.
  - d. each with two original strands.
- \_\_\_\_ 46. During DNA replication, a DNA strand that has the bases CTAGGT produces a strand with the bases
  - a. TCGAAC.
  - b. GATCCA.
  - c. AGCTTG.
  - d. GAUCCA.
- 47. Which of the following include all the others?
  - a. DNA molecules
  - b. histones
  - c. chromosomes
  - d. nucleosomes

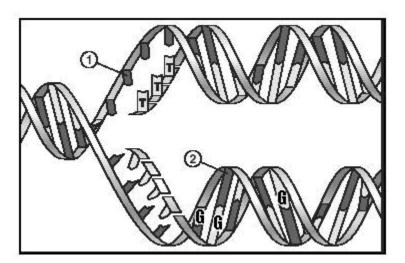


Figure 12-5

- 48. In Figure 12–5, what nucleotide is going to be added at point 1, opposite from thymine?
  - a. adenine
  - b. thymine
  - c. cytosine
  - d. guanine

 49.	In Figure 12–5, what is adding base pairs to the strand? a. histones
	b. nucleosomes
	c. DNA polymerase
	d. chromatin
50.	In eukaryotes, DNA
	a. is located in the nucleus.
	b. floats freely in the cytoplasm.
	c. is located in the ribosomes.
	d. is circular.
51.	Which would be greater in a eukaryote than in a prokaryote?
 01.	a. The percentage of guanine nucleotides.
	b. The total number of base pairs in a chromosome.
	c. The number of replication forks on a strand of DNA.
	d. The total amount of DNA in a cell.
52.	In both prokaryotes and eukaryotes, how many copies of the chromosome are left after replication?
 32.	a. 1
	b. 2
	c. 3
	d. 4
	u. +
 53.	In both prokaryotes and eukaryotes, DNA replication happens
	a. before cell division.
	b. in the nucleus.
	c. only to telomeres.
	d. around the histones.

## **DNA, DNA Replication and Mitosis Practice Test Answer Section**

## MULTIPLE CHOICE

1.	ANS:	B PTS: 1	DIF: L3	REF:	p. 276
	OBJ:	10.1.1 Explain the problems that gr	owth causes for cells.	STA:	SC.912.N.1.1.6
	MSC:	evaluation			
2.	ANS:	A PTS: 1	DIF: L1	REF:	p. 276
	OBJ:	10.1.2 Compare asexual and sexual	l reproduction.	STA:	SC.912.L.16.17
		Foundation Edition			
3.	ANS:	C PTS: 1	DIF: L3	REF:	p. 278
	OBJ:	10.1.2 Compare asexual and sexual	l reproduction.		SC.912.L.16.17
		evaluation	•		
4.	ANS:	C PTS: 1	DIF: L3	REF:	p. 280
		10.2.1 Describe the role of chromos			1
	STA:	SC.912.L.14.3	MSC: analysis		
5.	ANS:	C PTS: 1	DIF: L2	REF:	p. 282
		10.2.2 Name the main events of the			SC.912.L.16.14
		Foundation Edition			
6.	ANS:	C PTS: 1	DIF: L1	REF:	p. 282
	OBJ:	10.2.2 Name the main events of the	e cell cycle.		SC.912.L.16.14
		Foundation Edition			
7.	ANS:	B PTS: 1	DIF: L2	REF:	p. 281
		10.2.2 Name the main events of the			SC.912.L.16.14
		Foundation Edition			
8.	ANS:	C PTS: 1	DIF: L1	REF:	p. 281
		10.2.2 Name the main events of the			SC.912.L.16.14
	TOP:	Foundation Edition	MSC: knowledge		
9.		B PTS: 1		REF:	p. 282
	OBJ:	10.2.2 Name the main events of the	e cell cycle.	STA:	SC.912.L.16.14
	MSC:	comprehension			
10.	ANS:	D PTS: 1	DIF: L2	REF:	p. 281
	OBJ:	10.2.2 Name the main events of the	e cell cycle.	STA:	SC.912.L.16.14
	TOP:	Foundation Edition	MSC: analysis		
11.	ANS:	D PTS: 1	DIF: L1	REF:	p. 281
	OBJ:	10.2.2 Name the main events of the	e cell cycle.	STA:	SC.912.L.16.14
	TOP:	Foundation Edition	MSC: knowledge		
12.	ANS:	C PTS: 1	DIF: L2	REF:	p. 282
	OBJ:	10.2.3 Describe what happens during		itosis.	
	STA:	SC.912.L.16.14	MSC: application		
13.	ANS:	A PTS: 1	DIF: L1	REF:	p. 282
	OBJ:	10.2.3 Describe what happens during	ng the four phases of m	itosis.	
		SC.912.L.16.14	TOP: Foundation E	dition	
		knowledge			
14.	ANS:		DIF: L1		p. 282
		10.2.3 Describe what happens during			
		SC.912.L.16.14	TOP: Foundation E	dition	
	MSC:	knowledge			

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15. ANS: B
                        PTS: 1
                                            DIF: L2
                                                               REF: p. 282 | p. 283
    OBJ: 10.2.3 Describe what happens during the four phases of mitosis.
                                            TOP: Foundation Edition
    STA: SC.912.L.16.14
    MSC: analysis
16. ANS: C
                        PTS: 1
                                            DIF: L1
                                                               REF: p. 282 | p. 283
    OBJ: 10.2.3 Describe what happens during the four phases of mitosis.
    STA: SC.912.L.16.14
                                            TOP: Foundation Edition
    MSC: knowledge
17. ANS: C
                        PTS: 1
                                            DIF: L2
                                                               REF: p. 282
    OBJ: 10.2.3 Describe what happens during the four phases of mitosis.
                                            TOP: Foundation Edition
    STA: SC.912.L.16.14
    MSC: comprehension
18. ANS: A
                        PTS: 1
                                            DIF: L2
                                                               REF: p. 282 | p. 283
    OBJ: 10.2.3 Describe what happens during the four phases of mitosis.
                                            TOP: Foundation Edition
    STA: SC.912.L.16.14
    MSC: analysis
19. ANS: A
                        PTS: 1
                                            DIF: L2
                                                               REF: p. 282
    OBJ: 10.2.3 Describe what happens during the four phases of mitosis.
    STA: SC.912.L.16.14
                                            MSC: application
20. ANS: D
                                            DIF: L1
                        PTS: 1
                                                                REF: p. 282
    OBJ: 10.2.3 Describe what happens during the four phases of mitosis.
                                            TOP: Foundation Edition
    STA: SC.912.L.16.14
    MSC: knowledge
21. ANS: B
                        PTS: 1
                                            DIF: L3
                                                                REF: p. 279 | p. 280
    OBJ: 10.2.3 Describe what happens during the four phases of mitosis.
                                            TOP: Foundation Edition
    STA: SC.912.L.16.14
    MSC: application
22. ANS: C
                                            DIF: L3
                                                               REF: p. 284
                        PTS: 1
    OBJ: 10.2.4 Describe the process of cytokinesis.
                                                                STA: SC.912.L.14.3 | SC.912.L.16.14
    TOP: Foundation Edition
                                            MSC: synthesis
23. ANS: C
                        PTS: 1
                                            DIF: L1
                                                                REF: p. 289
    OBJ: 10.3.2 Explain how cancer cells are different from other cells.
    STA: SC.912.N.1.1.6 | SC.912.L.16.8
                                            TOP: Foundation Edition
    MSC: comprehension
24. ANS: A
                                            DIF: L1
                        PTS: 1
                                                               REF: p. 289
    OBJ: 10.3.2 Explain how cancer cells are different from other cells.
    STA: SC.912.N.1.1.6 | SC.912.L.16.8
                                            TOP: Foundation Edition
    MSC: knowledge
25. ANS: A
                        PTS: 1
                                            DIF: L3
                                                                REF: p. 289
    OBJ: 10.3.2 Explain how cancer cells are different from other cells.
    STA: SC.912.N.1.1.6 | SC.912.L.16.8
                                            MSC: evaluation
26. ANS: C
                        PTS: 1
                                            DIF: L3
                                                                REF: p. 289
    OBJ: 10.3.2 Explain how cancer cells are different from other cells.
                                            MSC: synthesis
    STA: SC.912.N.1.1.6 | SC.912.L.16.8
27. ANS: D
                        PTS: 1
                                            DIF: L2
                                                               REF: p. 295
                                                               TOP: Foundation Edition
    OBJ: 10.4.2 Define stem cells and explain their importance.
    MSC: comprehension
                                            DIF: L2
                        PTS: 1
                                                                REF: p. 339
    OBJ: 12.1.1 Summarize the process of bacterial transformation.
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STA: SC.912.L.16.7
                                            TOP: Foundation Edition
    MSC: comprehension
29. ANS: B
                        PTS: 1
                                            DIF: L3
                                                                REF: p. 340 | p. 341
    OBJ: 12.1.1 Summarize the process of bacterial transformation.
                                            TOP: Foundation Edition
    STA: SC.912.L.16.7
    MSC: evaluation
30. ANS: A
                        PTS: 1
                                                                REF: p. 338 | p. 339
                                            DIF: L2
    OBJ: 12.1.1 Summarize the process of bacterial transformation.
                                            TOP: Foundation Edition
    STA: SC.912.L.16.7
    MSC: comprehension
31. ANS: B
                                            DIF: L1
                                                                REF: p. 340 | p. 341
                        PTS: 1
    OBJ: 12.1.2 Describe the role of bacteriophages in identifying genetic material.
                                            TOP: Foundation Edition
    STA: SC.912.L.16.7
    MSC: comprehension
32. ANS: D
                        PTS: 1
                                            DIF: L1
                                                                REF: p. 340
    OBJ: 12.1.2 Describe the role of bacteriophages in identifying genetic material.
    STA: SC.912.L.16.7
                                            TOP: Foundation Edition
    MSC: knowledge
33. ANS: D
                        PTS: 1
                                            DIF: L1
                                                                REF: p. 342
    OBJ: 12.1.3 Identify the role of DNA in heredity.
                                                                STA: SC.912.L.16.3
    TOP: Foundation Edition
                                            MSC: knowledge
34. ANS: C
                                                                REF: p. 343
                        PTS: 1
                                            DIF: L1
    OBJ: 12.1.3 Identify the role of DNA in heredity.
                                                                STA: SC.912.L.16.3
    TOP: Foundation Edition
                                            MSC: comprehension
                                                                REF: p. 344 | p. 345
35. ANS: A
                        PTS: 1
                                            DIF: L1
    OBJ: 12.2.1 Identify the chemical components of DNA.
                                                                STA: SC.912.L.18.4
    TOP: Foundation Edition
                                            MSC: knowledge
                        PTS: 1
36. ANS: D
                                            DIF: L2
                                                                REF: p. 345
    OBJ: 12.2.1 Identify the chemical components of DNA.
                                                                STA: SC.912.L.18.4
    TOP: Foundation Edition
                                            MSC: analysis
37. ANS: B
                                            DIF: L2
                                                                REF: p. 345
                        PTS: 1
    OBJ: 12.2.1 Identify the chemical components of DNA.
                                                                STA: SC.912.L.18.4
    TOP: Foundation Edition
                                            MSC: analysis
38. ANS: C
                                            DIF: L2
                                                                REF: p. 345
                        PTS: 1
    OBJ: 12.2.2 Discuss the experiments leading to the identification of DNA as the molecule that carries the
                                                                TOP: Foundation Edition
    genetic code.
                        STA: SC.912.N.3.2 | SC.912.L.18.4
    MSC: application
39. ANS: C
                        PTS: 1
                                            DIF: L3
                                                                REF: p. 345
    OBJ: 12.2.2 Discuss the experiments leading to the identification of DNA as the molecule that carries the
                        STA: SC.912.N.3.2 | SC.912.L.18.4
                                                                TOP: Foundation Edition
    genetic code.
    MSC: analysis
40. ANS: A
                        PTS: 1
                                            DIF: L2
                                                                REF: p. 346
    OBJ: 12.2.2 Discuss the experiments leading to the identification of DNA as the molecule that carries the
                        STA: SC.912.N.3.2 | SC.912.L.18.4
                                                                TOP: Foundation Edition
    genetic code.
    MSC: comprehension
41. ANS: C
                        PTS: 1
                                            DIF: L2
                                                                REF: p. 346
    OBJ: 12.2.2 Discuss the experiments leading to the identification of DNA as the molecule that carries the
                        STA: SC.912.N.3.2 | SC.912.L.18.4
                                                                TOP: Foundation Edition
    genetic code.
    MSC: comprehension
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42.	ANS: D PTS: 1 OBJ: 12.2.2 Discuss the experiments lead		REF: p. 345   p. 346   p. 347 on of DNA as the molecule that carries the
		2   SC.912.L.18.4	
43.	ANS: B PTS: 1	DIF: L3	REF: p. 345
			on of DNA as the molecule that carries the
	9	2   SC.912.L.18.4	TOP: Foundation Edition
	MSC: evaluation		
44.	ANS: C PTS: 1		
	OBJ: 12.2.3 Describe the steps leading to		
	STA: SC.912.N.3.2   SC.912.L.18.4 MSC: comprehension	TOP: Foundation	Edition
15	ANS: C PTS: 1	DIF: L2	REF: p. 338   p. 339
45.	OBJ: 12.3.1 Summarize the events of DN		
	MSC: application	Writepheation.	5171. SC.912.E.10.5   SC.912.E.10.4
46.	ANS: B PTS: 1	DIF: L1	REF: p. 338   p. 339
	OBJ: 12.3.1 Summarize the events of DN		* · *
	TOP: Foundation Edition	MSC: application	·
47.	ANS: C PTS: 1	DIF: L3	REF: p. 352
	OBJ: 12.3.2 Compare DNA replication in	n prokaryotes with tha	at of eukaryotes.
	STA: SC.912.L.14.3   SC.912.L.16.3		
48.	ANS: A PTS: 1	DIF: L2	REF: p. 350   p. 351
	OBJ: 12.3.1 Summarize the events of DN	_	STA: SC.912.L.16.3   SC.912.L.18.4
40	TOP: Foundation Edition ANS: C PTS: 1	MSC: analysis DIF: L1	DEE: p 251
49.	OBJ: 12.3.1 Summarize the events of DN		REF: p. 351 STA: SC.912.L.16.3   SC.912.L.18.4
	MSC: analysis	Viviepheation.	5171. SC.712.L.10.5   SC.712.L.10.4
50.		DIF: L1	REF: p. 352
	OBJ: 12.3.2 Compare DNA replication in		
	STA: SC.912.L.14.3   SC.912.L.16.3	TOP: Foundation	Edition
<i>5</i> 1	MSC: knowledge ANS: C PTS: 1	DIE. 12	DEE: - 252  - 252
31.	ANS: C PTS: 1 OBJ: 12.3.2 Compare DNA replication in	DIF: L2	* · · · · ·
	STA: SC.912.L.14.3   SC.912.L.16.3		
	MSC: analysis	TOT: Toundation	Edition
52.	ANS: B PTS: 1	DIF: L1	REF: p. 353
	OBJ: 12.3.2 Compare DNA replication in	n prokaryotes with tha	at of eukaryotes.
	STA: SC.912.L.14.3   SC.912.L.16.3	TOP: Foundation	Edition
	MSC: comprehension		
53.		DIF: L2	REF: p. 352   p. 353
	OBJ: 12.3.2 Compare DNA replication in		
	STA: SC.912.L.14.3   SC.912.L.16.3 MSC: comprehension	TOP: Foundation	Editioli
	MSC. comprehension		